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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/610,935	07/06/2000	Brian W. Ward	SGM 6934.1	5148
321	7590	04/09/2004	EXAMINER	
SENNIGER POWERS LEAVITT AND ROEDEL ONE METROPOLITAN SQUARE 16TH FLOOR ST LOUIS, MO 63102			SISSON, BRADLEY L	
			ART UNIT	PAPER NUMBER
			1634	

DATE MAILED: 04/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary

Application No.

09/610,935

Applicant(s)

WARD ET AL.

Examiner

Bradley L. Sisson

Art Unit

1634

All participants (applicant, applicant's representative, PTO personnel):

(1) Bradley L. Sisson.

(3) Edward Hejlek.

(2) Timothy B. McBride, Reg. No. 47,781.

(4) Bill Brizzard.

Date of Interview: 05 April 2004.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☒ Yes e) ☐ No.

If Yes, brief description: Proposed amendment seeking to introduce new claims 60-79.

Claim(s) discussed: 11, 13-16, 20-22, 42-59, and proposed new claims 60-79.

Identification of prior art discussed: See Continuation Sheet.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.



Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

(Nardone et al.), US Patent 5,407,800 (Gelfand et al.); Hoppe et al., Biotechniques, 1992, Vol. 12, No. 5, pages 679-680; Setterquist et al., Nucleic Acids Research, 1996, Vol. 24, No. 8, pages 1580-1581..

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The aspect of limiting the claim to where the dye is not associated with a nucleotide, oligonucleotide, or primer was discussed. While the specification was not found to provide literal support for such language, the specification was considered to teach such an aspect, noting the specification at page 18, lines 14-16; page 30, lines 3-10; and lines 23-25.

Mr. Sisson indicated that he considered the claimed reagent to comprise the template, noting the use of "substantially free," which would allow for some template to be present. Mr. Hejlek indicated that he would be willing to remove the adverb "substantially."

Mr. Sisson noted that such limitation would get around the current rejection under 35 USC 103(a) as the dyes are bound to a primer. Mr. Hejlek indicated that applicants are not the first to ever use a dye with a PCR reaction buffer, noting the publication of Hoppe et al., that was discussed in the previous interview. Mr. Sisson also directed attention to Setterquist et al., page 1580, last paragraph of left column, bridging to the end of the right column, as teaching a PCR reagent that does not have the template but does have 50% glycerol (a density of about 1.14 gm/cm³) as well as a dye that is not incorporated into a nucleotide, oligonucleotide or primer.

Mr. Sisson indicated that if the claims were to be amended so to overcome the current rejection under 35 USC 103(a) by reciting that the reagent is void of template, and that the dye is free in solution, that other issues of obviousness may well result as the prior art teaches making a PCR reagent that comprises a dye, and that the patents of Nardone et al., and Koster et al., teach of still other dyes that could be combined in a PCR reaction, making obvious their inclusion in a PCR reagent

The aspect of having adequate written support for reagents having the full range of density was discussed. Mr. Sisson indicated that he considered written description requirement to be separate and distinct from the enablement requirement, noting that obviousness and issues of enablement are not dispositive of satisfying an adequate written description requirement. Mr. Sisson noted that the claims are drawn to a reagent that is considered for purposes of examination to be a composition, noting further that the claims are not drawn to loose reagents or components that could be combined into the claimed composition. Mr. Sisson indicated that he was looking to the specification as providing an adequate written description of the full genus of compositions encompassed by the disclosure. It was agreed that we would reconvene the following day to discuss these issue as well as to allow for applicant to more fully consider possible art-based issues.